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# United States Department of Agriculture,

## DIVISION OF PUBLICATIONS.

WASHINGTON, D. C., *April 30, 1913.*

### MONTHLY LIST OF PUBLICATIONS.

[APRIL, 1913.]

**NOTE.**—Copies of any of the publications listed herein, except publications of the Weather Bureau, may be obtained free upon application to the Editor and Chief of the Division of Publications, U. S. Department of Agriculture, Washington, D. C., as long as the department's supply lasts. The edition of many of the publications is necessarily limited, and when same is exhausted applicants may obtain copies from the Superintendent of Documents, Government Printing Office, Washington, D. C., who, under the provisions of the joint resolution of March 28, 1904, is empowered to have reprints made and sell them at the prices herein given. Do not apply to the Superintendent of Documents for publications **without sending the price of same**, as he does not distribute them except by sale. The price of all documents, unless otherwise noted, is 5 cents per copy.

The Superintendent of Documents is not connected with the Department of Agriculture, and all remittances for publications should be sent directly to Superintendent of Documents, Government Printing Office, Washington, D. C., by postal money order, express order, or New York draft. If currency is sent, it will be at sender's risk. Postage stamps, foreign money, uncertified checks, defaced or smooth coins will positively not be accepted. To facilitate the payment of the cost of documents, the Superintendent of Documents will hereafter accept coupons issued by him instead of cash. Coupons of the value of 5 cents each are sold in sets of 20 for \$1.

The Department of Agriculture does not distribute or control the distribution of the publications of the State boards of agriculture or of the State agricultural experiment stations.

#### ADVANCE SHEETS, FIELD OPERATIONS OF THE BUREAU OF SOILS.

Soil Survey of Franklin County, Missouri. By E. S. Vanatta, of the United States Department of Agriculture, and H. G. Lewis, of the University of Missouri. Pp. 35, fig. 1, map. (From F. O. Soils, 1911.) Price 25 cents.

#### REPORTS.

##### NEW.

Annual Reports of the Department of Agriculture for the year ended June 30, 1912. Pp. 1149. (Report of the Secretary with Reports of Heads of the Several Branches of the Department.) Not available for distribution.

#### BULLETINS.

##### NEW.

Factors Influencing the Change in Flavor in Storage Butter. By L. A. Rogers, Bacteriologist, W. N. Berg, Chemist, C. R. Potteiger, Assistant Chemist, and B. J. Davis, Assistant. Pp. 69, fig. 1. (Bulletin 162, Bureau of Animal Industry.) Price, 10 cents.

The Life History of *Habronema Muscae* (Carter), A Parasite of the Horse Transmitted by the House Fly. By B. H. Ransom, Ph. D., Chief of the Zoological Division. Pp. 36, figs. 41. (Bulletin 163, Bureau of Animal Industry.) Price, 10 cents.

Chemical Changes Produced in Cows' Milk by Pasteurization. By Philip Rupp, M. D., Ph. D., Chemist, Dairy Division. Pp. 15, fig. 1. (Bulletin 166, Bureau of Animal Industry.) Price, 5 cents.

The Action of Arsenical Dips in Protecting Cattle from Infestation with Ticks. By H. W. Graybill, D. V. M., Assistant Zoologist, Zoological Division. Pp. 27. (Bulletin 167, Bureau of Animal Industry.) Price, 5 cents.

Graham Flour: A Study of the Physical and Chemical Differences between Graham Flour and Imitation Graham Flours. By J. A. LeClerc and B. R. Jacobs, Plant Chemistry Laboratory. Pp. 57. (Bulletin 164, Bureau of Chemistry.) Price, 10 cents.

Experiment Station Record, Vol. XXVIII, No. 4, March, 1913. E. W. Allen, Ph. D.; Editor. Pp. 301-400. Price, 15 cents.

*Same*, Vol. XXVIII, No. 5, April, 1913. Pp. 401-500. Price, 15 cents.

The record contains numerous abstracts of the publications of the agricultural experiment stations and kindred institutions in this and other countries, articles and editorials on topics of special interest in agricultural science by American and foreign experts and notes on the experiment stations. The Superintendent of Documents has fixed the price of this serial, which is now issued in two volumes a year, nine numbers each, at \$1 a volume.

Bibliography of the Pulp and Paper Industries. By Henry E. Surface, in Charge Pulp and Paper. Pp. 48. (Bulletin 123, Forest Service.) Price, 10 cents.

Monthly Bulletin of the Library, February, 1913. Vol. 4, No. 2. Pp. 36-63. (Library.) Price, 5 cents.

Experiments in Wheat Breeding: Experimental Error in the Nursery and Variation in Nitrogen and Yield. By E. G. Montgomery, Experimental Agronomist of the Nebraska Agricultural Experiment Station and Collaborator of the Office of Cereal Investigations, Bureau of Plant Industry. Pp. 61, pls. 4, figs. 22. (Bulletin 269, Bureau of Plant Industry.) Price, 15 cents.

Wild Wheat in Palestine. By O. F. Cook, Bionomist in Charge of Crop Acclimatization and Adaptation Investigations. Pp. 56, pls. 15, figs. 11. (Bulletin 274, Bureau of Plant Industry.) Price, 15 cents.

Floral Abnormalities in Maize. By James H. Kempton, Assistant in Crop Acclimatization and Adaptation Investigations. Pp. 18, pls. 2, figs. 2. (Bulletin 278, Bureau of Plant Industry.) Price, 5 cents.

The Effect of Artificial Shading on Plant Growth in Louisiana. By H. L. Shantz, Physiologist, Alkali and Drought Resistant Plant Investigations. Pp. 31, pls. 6, figs. 11. (Bulletin 279, Bureau of Plant Industry.) Price, 10 cents.

The "Rough-Bark" Disease of the Yellow Newtown Apple. By John W. Roberts, Assistant Pathologist, Fruit-Disease Investigations. Pp. 16, pls. 3, figs. 2. (Bulletin 280, Bureau of Plant Industry.) Price, 5 cents.

Cold-Storage Business Features. Reports of Warehouses. By George K. Holmes, Chief of Division of Production and Distribution. Pp. 86. (Bulletin 93, Bureau of Statistics.) Price, 10 cents.

Cold Storage and Prices. By George K. Holmes, Chief of Division of Production and Distribution. Pp. 116. (Bulletin 101, Bureau of Statistics.) Price, 15 cents. (The Department's Supply of this publication is exhausted.)

#### CIRCULARS.

##### NEW

Rules and Regulations for the Enforcement of the Food and Drugs Act. Pp. 22. (Circular 21, Seventh Revision, Office of the Secretary.)

The Adulteration and Misbranding of the Seeds of Kentucky Bluegrass, Redtop, and Orchard Grass. Pp. 6. (Circular 43, Office of the Secretary.)

Rule 3, Revision 2. To Prevent the Spread of Scabies in Sheep. Pp. 3. (B. A. I. Order 195.)

A Comparison of the Acid Test and the Rennet Test for Determining the Condition of Milk for the Cheddar Type of Cheese. By E. G. Hastings, Bacteriologist, Wisconsin Experiment Station, and Alice C. Evans, Bacteriologist, Dairy Division, Bureau of Animal Industry. Pp. 6. (Circular 210, Bureau of Animal Industry.)

A Humidity Regulator. By William Mansfield Clark, Chemist, Dairy Division. Pp. 6, figs. 2. (Circular 211, Bureau of Animal Industry.)

An All-Metal Poultry-Cooling Rack. By M. E. Pennington and H. C. Pierce, Food Research Laboratory. Pp. 8, figs. 6. (Circular 115, Bureau of Chemistry.)

Spraying for White Flies in Florida. By W. W. Yothers, Entomological Assistant. Pp. 8. (Circular 168, Bureau of Entomology.)

The Chinese Wood-Oil Tree. By David Fairchild, Agricultural Explorer in Charge of Foreign Seed and Plant Introduction. Pp. 7, pls. 3. (Circular 108, Bureau of Plant Industry.)

Miscellaneous Papers. [I.] Testing Cultures of Nodule-Forming Bacteria. By K. F. Kellerman. [II.] The Work of the San Antonio Experiment Farm in 1912. By S. H. Hastings. [III.] Inheritance of Waxy Endosperm in Hybrids with Sweet Corn. By G. N. Collins and J. H. Kempton. [IV.] Leaf-Cut, or Tomosis, a Disorder of Cotton Seedlings. By O. F. Cook. Pp. 34, figs. 10. (Circular 120, Bureau of Plant Industry.)

Miscellaneous Papers. [I.] The Culture of Durango Cotton in the Imperial Valley. By Argyle McLachlan. [II.] The Control of the Sugar-Beet Leaf-Spot. By V. W. Pool and M. B. McKay. [III.] The Work of the Huntley Experiment Farm in 1912. By Dan Hansen. [IV.] Methods of Securing Self-Pollination in Cotton. By R. M. Meade. Pp. 30, figs. 7. (Circular 121, Bureau of Plant Industry.)

Miscellaneous Papers. [I.] Directions for Blueberry Culture. By Frederick V. Coville. [II.] The Work of the Truckee-Carson Experiment Farm in 1912. By F. B. Headley. [III.] Feterita, a New Variety of Sorghum. By H. N. Vinall and Carleton R. Ball. Pp. 32, figs. 3. (Circular 122, Bureau of Plant Industry.)

Miscellaneous Papers. [I.] Factors Affecting the Production of Long-Staple Cotton. By O. F. Cook. [II.] Behavior of Seed Cotton in Farm Storage. By Charles J. Brand and W. A. Sherman. [III.] Egyptian Cotton Culture in the South West. By Carl S. Scofield. Pp. 28, figs. 5. (Circular 123, Bureau of Plant Industry.)

Monthly List of Publications for March, 1913. Pp. 4. (Document 783, Division of Publications.)

Alunite and Kelp as Potash Fertilizers. By J. J. Skinner and A. M. Jackson, Scientists in Soil Fertility Investigations. Pp. 5. (Circular 76, Bureau of Soils.)

Soils of the Sutter Basin: A Revision in the Survey of Certain Soils in the Marysville Area, California. Pp. 10, fig. 1. (Circular 79, Bureau of Soils.)

Crop Reporter, Vol. 15, No. 4, April, 1913. Pp. 25-32. (Bureau of Statistics.) The Crop Reporter is a two-column quarto publication devoted to agricultural statistics.

#### REPRINTS.

Some Results of Cattle-tick Eradication. (Circular 196, Bureau of Animal Industry.)

Directions for Constructing Vats and Dipping Cattle to Destroy Ticks. (Circular 207, Bureau of Animal Industry.)

The Organization of Girls' Poultry Clubs. (Circular 208, Bureau of Animal Industry.)

The Alaska Game Law and Regulations of the Department of Agriculture, 1908. (Circular 66, Bureau of Biological Survey.)

Methods of Legume Inoculation. (Circular 63, Bureau of Plant Industry.)



## FARMERS' BULLETIN.

NEW.

Mutton and Its Value in the Diet. By C. F. Langworthy, Ph. D., Chief of Nutrition Investigations, Office of Experiment Stations, and Caroline L. Hunt, A. B., Expert in Nutrition, Office of Experiment Stations. Pp. 32, figs. 2. (Farmers' Bulletin 526.)

Experiment Station Work LXXIV. Compiled from the Publications of the Agricultural Experiment Stations. Pp. 24, figs. 7. (Farmers' Bulletin 527.)

Contents: Peonies—Spraying Potatoes—Marketing Wool—Retail Buying of Beef—Tobacco Dips for Sheep Scab—Sewage Disposal for Rural Homes.

Hints to Poultry Raisers. By Harry M. Lamon, Senior Animal Husbandman in Poultry Investigations, Animal Husbandry Division, Bureau of Animal Industry. Pp. 12, figs. 2. (Farmers' Bulletin 528.)

Good Seed Potatoes and How to Produce Them. By William Stuart, Horticulturist, Office of Horticultural Investigations and Arlington Experimental Farm, Bureau of Plant Industry. Pp. 16, figs. 8. (Farmers' Bulletin 533.)

## PUBLICATIONS OF THE WEATHER BUREAU.

Publications of the Weather Bureau are obtainable only from the Chief of the Weather Bureau or the Superintendent of Documents, Government Printing Office, at the prices noted herein.

Report of the Chief of the Weather Bureau, 1911-1912. Pp. 272.

Bulletin of the Mount Weather Observatory, vol. 5, pt. 4. Prepared under the direction of Willis L. Moore, Chief United States Weather Bureau. Pp. 219-293, figs. 24. (W. B. No. 501.) Price, 25 cents.

Monthly Weather Review, Vol. 41, No. 1. January, 1913. Prepared under the direction of Willis L. Moore, Chief U. S. Weather Bureau. Pp. 1-169, maps 2, charts 8. (W. B. No. 500.) Price, 35 cents; \$4 a year.

National Monthly Weather Bulletin No. 3 for March, 1913, reporting temperature and rainfall, with a summary of weather conditions throughout the United States. [Weekly, April-September, Monthly, remainder of year.] Price, 25 cents a year.

National Weekly Weather Bulletin, Nos. 4, 5, 6, for April, 1913. Price, 25 cents a year.

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JOS. A. ARNOLD,  
*Editor and Chief.*

Approved:  
D. L. HOUSTON,  
*Secretary of Agriculture.*

